

NOTES

NOTEWORTHY NEW RECORDS FOR NEOTROPICAL GENTIANACEAE—New distribution records, based on specimens I have recently identified, are reported here for six Mexican and South American species of Gentianaceae.

Gentiana mirandae Para

MEXICO. VERACRUZ: Mun. Huayacocotla, Viborillas, Huayacocotla, 2200 m, *Hernández M. & Trigos 1188* (F, GH).

This is the first record of this showy but rarely collected species for Veracruz, although the locality is near a previously reported locality in Hidalgo (Pringle 1977).

Gentianella achalensis (Hieron. ex Gilg) T.N. Ho & S.W. Liu

BOLIVIA. TARIJA. Prov. Arce: 12.5 km N of Emboroza-Sidras road, on road to Padcaya, 22° 12'S, 64° 37'W, 1150 m, *Solomon 10160* (MO). Prov. Cercado: 54.9 km E of Tarija-Padcaya road, on road to Entre Ríos, 21° 29'S, 64° 20'W, 2050 m, *Solomon 10324* (MO).

These records extend the known range of this species hitherto recorded only from Argentina, into southernmost Bolivia. Field work in Bolivia by J.C. Solomon was supported by the National Science Foundation.

Gentianella armerioides (Griseb. ex Gilg) J.S. Pringle

BOLIVIA. LA PAZ. Prov. Loayza: along the S fork of the Río Jiskha Choque Kkota which leads down from Cerro Huatia Kkota, ca. 4 km SE from Viloco, 16° 29'W, 4300–4650 m, *Lewis 871320* (MO).

This record extends the known range of this species, hitherto recorded only from Depto. Puno, Perú, into adjacent Bolivia.

Gentianella primuloides (Gilg) J.S. Pringle

BOLIVIA. LA PAZ. Prov. B. Saavedra: cerca de la carretera nueva de Cotacampa a Ulla-Ulla, Cerro Piñita, 4500 m, *Manhofer X-1782* (HAM, LPB).

The isotype at G, from Depto. Puno, Perú, which is of particularly good quality, is closely matched by this recent collection from just across the border in Bolivia, indication that this species is correctly attributed to the floras of both countries. The corollas were described by Manhofer (in sched.) as red ('rojas'), and show contrasting whitish bases, corresponding to Gilg's (1916) description.

***Gentianella vargasii* Fabris**

BOLIVIA. LA PAZ. Prov. Murillo: La Paz-Calacoto 64 km hacia el nevado Illimani, sobre el pueblo de Pinaya, pie de Illimani, 4200 m, *Beck* 9073 (HAM, LPB).

This record extends the known range ca. 570 km to the southeast and is the first for Bolivia, the species hitherto being known only from Depto. Cuzco, Perú (Fabris 1958). This indicates that the range of *G. vargasii* may be more extensive than that of most Andean *Gentianella* species, even though the species may be relatively uncommon. A parallel is approached, however, in the relatively extensive range of *G. punicea* (Wedd.) Holub, which extends from Depto. La Paz, Bolivia, along the mountain ranges northeast of Lake Titicaca, well into Perú. These ranges are essentially continuous from the international border to the southeastern part of Depto. Cuzco from which *G. vargasii* was previously reported.

***Tapeinostemon zamoranum* Steyerem.**

PERU. AMAZONAS. Luya Prov.: Camporredondo-Tullanya, trocha hacia el Cerro Huicsocunga, 2350 m, *Díaz & Campos* 3733 (HAM, MO). CAJAMARCA. Cutervo Prov.: San Andrés de Cutervo, Parque Nacional de Cutervo, entrando por "Chorro Blanco" sobre invernadas del Sr. Nicolás Navarro, 2300–2400 m, *Díaz et al.* 3951 (HAM, MO).

These records, which are the basis of my inclusion of this species in Brako & Zarucchi's (1993) *Catalogue of the Flowering Plants and Gymnosperms of Peru*, are the first for the genus and the species for Perú, *T. zamoranum* hitherto having been reported only from southern Ecuador (Steyermark 1951).

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